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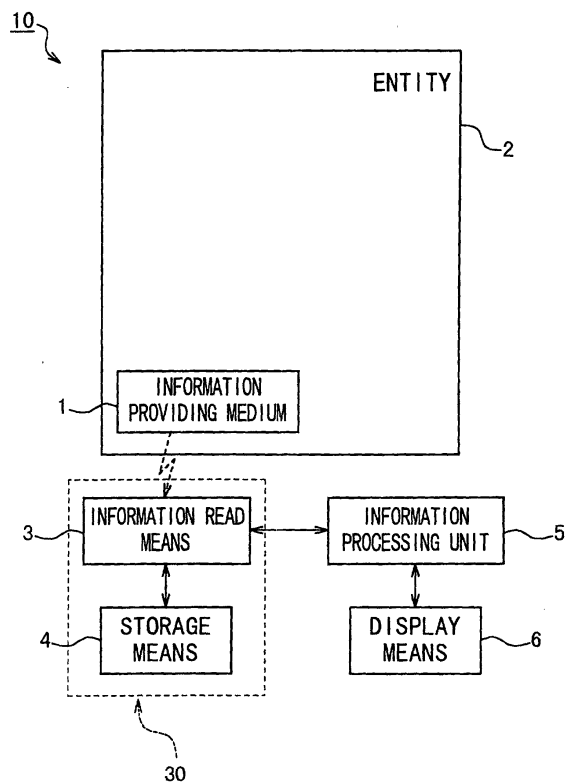
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(54) **Information processing system, hand held cellular phone and information processing method**

(57) An information processing system comprises: information providing electronic parts (1) capable of reading information in an electromagnetic or optical manner, the parts being attached to an entity (2) in order to provide information associated with the entity (2); a hand held terminal device (30) with its information read function that reads information from the information providing electronic parts (1) in an electromagnetic or optical manner and record the information; and an information processing unit (5) for reading and processing the information recorded in this hand held terminal device (30).

In this way, in the case where an information user attempts to obtain information associated with an entity such as commodity or advertising material, the information can be electronically recorded instantaneously and processed.

FIG. 1



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	WO 99 17230 A (SCHLASBERG JOHAN) 8 April 1999 (1999-04-08) * abstract * * page 2, line 6 - page 3, line 16 * * page 4, line 21 - line 29 * * page 5, line 16 - page 6, line 26 * * page 9, line 1 - line 19 * * page 20, line 1 - line 12 * ---	1-19	G06F17/60
X	US 5 939 695 A (NELSON DONALD ROBERT) 17 August 1999 (1999-08-17)	1-6,10, 11,13-19	
Y	* abstract * * column 1, line 15 - line 25 * * column 1, line 47 - line 51 * * column 2, line 55 - column 3, line 1 * * column 5, line 60 - column 6, line 8 * ---	7-9,12	
Y	EP 0 645 728 A (SYMBOL TECHNOLOGIES INC) 29 March 1995 (1995-03-29) * abstract * * column 1, line 1 - line 5 * * column 10, line 51 - line 56 * ---	7-9,12	TECHNICAL FIELDS SEARCHED (Int.Cl.7) G06F G06K
X	US 4 780 599 A (BAUS HEINZ G) 25 October 1988 (1988-10-25) * abstract * * column 1, line 5 - line 17 * * column 2, line 66 - column 3, line 14 * * column 4, line 14 - line 28 * --- -/--	1,2,6, 10, 13-16, 18,19	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 23 October 2003	Examiner De Smet, M
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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Office

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Application Number
EP 00 40 2614

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	EP 0 446 500 A (GOROG JONATHAN M) 18 September 1991 (1991-09-18) * abstract * * column 3, line 11 - line 27 * * column 4, line 15 - line 23 * * column 5, line 8 - line 16 * ----	1,6,10, 13	
A	DE 42 28 692 A (SIEMENS AG) 21 January 1993 (1993-01-21) * abstract * * column 1, line 40 - column 2, line 2 * ----	4	
A	GB 2 300 286 A (SAMSUNG ELECTRONICS CO LTD) 30 October 1996 (1996-10-30) * abstract * * page 1, line 32 - page 2, line 32 * * page 3, line 18 - line 35 * -----	4	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 23 October 2003	Examiner De Smet, M
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 40 2614

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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23-10-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9917230	A	08-04-1999	AU 8250098 A	23-04-1999
			EP 1016006 A1	05-07-2000
			SE 514505 C2	05-03-2001
			SE 0001064 A	26-05-2000
			WO 9917230 A1	08-04-1999
US 5939695	A	17-08-1999	NONE	
EP 0645728	A	29-03-1995	CA 2130319 A1	26-02-1995
			DE 69431616 D1	05-12-2002
			DE 69431616 T2	03-07-2003
			EP 1204066 A2	08-05-2002
			EP 0645728 A2	29-03-1995
			JP 7154456 A	16-06-1995
			US 6243447 B1	05-06-2001
US 4780599	A	25-10-1988	DE 3424162 A1	23-01-1986
			CA 1257396 A1	11-07-1989
			EP 0167072 A2	08-01-1986
			ZA 8504821 A	26-02-1986
EP 0446500	A	18-09-1991	CA 2010846 A1	23-08-1991
			US 4947028 A	07-08-1990
			EP 0446500 A1	18-09-1991
DE 4228692	A	21-01-1993	DE 4228692 A1	21-01-1993
GB 2300286	A	30-10-1996	KR 155043 B1	16-11-1998
			CN 1138722 A ,B	25-12-1996
			US 5911031 A	08-06-1999

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82